

City of Burien, Washington  
Six Year Transportation Improvement Program  
2015 - 2020



## **EXHIBIT-A**

# **CITY OF BURIEN SIX YEAR TRANSPORTATION IMPROVEMENT PROGRAM 2015-2020**

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## **Introduction**

The Six-Year Transportation Improvement Program (TIP) is a mid-range planning document that is annually updated based on needs and policies identified through a variety of sources. Project and financial development involve interactions with many groups and agencies at the local, regional, state, and federal levels. It represents Burien's current list of needed projects that may begin work in the next six years.

The primary importance of the Six Year TIP is to act as a planning tool for the development of transportation facilities within the City. It is used to coordinate transportation projects with our utility districts and other agencies. Staff has evaluated last year's TIP with respect to the new Transportation Master Plan to ensure that the new TIP is coordinated with the TMP's goals and the multimodal layered network concept. In most cases, local projects must be included in the TIP to be eligible for state and federal grant programs.

### **Mandated by State Law**

State law requires that each city develop a local TIP and that it be updated annually (RCW 35.77.010). In order for cities to compete for transportation funding grants from Federal and State sources most granting agencies require that projects be included in the TIP.

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
1.1	1st Avenue South-Phase 3	SW 128th to SW 140th Street	Reconstruct roadway to Principal Arterial standards, including pedestrian, stormwater detention and water quality facilities, center medians and left-turn lanes, signal improvements and interconnections, landscaping and irrigation, and driveway consolidation where feasible. Reconstruct intersection at SW 128th St. and add protected left-turn phasing at SW 136th St. intersections. Overhead to underground utility conversion. Major Drainage Replacement (MDR).	TIB PSRC	High	4,000	10 M
20.0 (Program A)	4th Avenue SW	SW 156th Street to SW 160th St	Pedestrian access project. Sidewalk on east side, curb and gutter, bike lanes, drainage, landscaping and illumination.	SRTS	High	1,370	1.3M
31	4th Avenue SW & SW 148th Street	Intersection	Upgrade existing signal to include an eastbound right-turn overlap phase and protected left turns. Consider combining with 32 for funding.	METRO TIB	High		1.24M
32	6th Ave SW & SW 148th Street	Intersection	New Signal to add interconnect and protected left turn. Overhead to underground utility conversion. MDR. Consider combining with 31 for funding.	TIB	High		0.30M
35.0	SR 518/Des Moines Memorial Drive Eastbound Off-Ramp	Interchange	Construct eastbound off-ramp from SR 518 to Des Moines Memorial Drive DMMD. Note: Ensure design is consistent with the DMMD Corridor Management Plan.	TIB PSRC Legislature	High		12M
38 (Program A)	S 132nd St Trail Project	9th Ave S to 10th Ave S	Construct shared use path on S 132nd St, in unopened right of way between 9th Ave S to 10th Ave S. Evaluate lighting and signing.	CDBG	High	325	.17M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
39 (Program A)	Pedestrian and Bicycle Facilities	Citywide	Construct bicycle/pedestrian/shared use facilities in unopened rights of way that are not being used for, and not planned to be used for, vehicular access.	City CDBG SRTS	High		0.05M
40 (Program A)	Pedestrian Access Near Schools Study	Citywide	Evaluate and prioritize pedestrian access needs near schools, giving consideration to parking and surface water impacts.	City	High		0.05M
NEW 42 (Program A)	Pedestrian Improvements for Hilltop Elementary Military Road Crosswalk	12300 block	Rectangular Rapid Flashing Beacon (RRFB) and signage for existing school crossing.	City CDBG SRTS	High		0.05M
NEW 43	Pavement Rehabilitation for Embankment Stabilization	Citywide	Regrade and repave selected sites that have excessive roadway embankment settlement.	City	High		0.5M
6	SW 136th Street	1st Avenue South to Ambaum Blvd SW	Reconstruct road to include storm drainage, bike lanes, parking, curb, gutter and sidewalks.	Legislature PSRC	High	3,600	9.5M
13.0 (Programs A,G)	8th Avenue South	S 128th Street to S 136th St	Pedestrian access project. Sidewalk, curb and gutter, bike lanes, drainage, landscaping and illumination. Note: Consider phases along this corridor based on funding sources.	SRTS	High	2,700	1.1M
14.0 (Program A)	South 152nd Street	1st Avenue South to 8th Ave S	Sidewalks on both sides of street. Fill in gaps in intermittent sidewalk and ensure implementation of American with Disabilities Act (ADA) standards. Bicycle lanes on both sides of street. Connect to Highline High School.	SRTS TIB	High	2,700	1.2M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
14.1	South 152nd Street	8th Ave S to Des Moines Memorial Dr	Existing three intersections (8th Ave S/S 152nd St, DMMD/8th Ave S, and S 152nd St/DMMD) should be evaluated for comprehensive revisions to improve safety and general awkwardness; consider elimination of an intersection.	City Economic Development TIB	High	250	0.75M
17	Ambaum Blvd SW Corridor Study	SW 116th Street to 1st Avenue South	Ambaum Corridor Study of safety, capacity, & non-motorized issues.	City	High	15,000	0.5M
35.1	SR 518/Des Moines Memorial Drive Westbound On-Ramp	Interchange	Construct westbound on-ramp from SR 518 to DMMD. Note: Ensure design is consistent with the DMMD Corridor Management Plan.	TIB PSRC Legislature	High		70M
37	Northeast Redevelopment Area (NERA)	NERA	Construct new streets and signals as envisioned in the Northeast Redevelopment Area (NERA) Plan. Improve and create pedestrian connections. Area generally bounded by 8th Ave S, S 138th St, Des Moines Memorial Drive and SR 518.	City FAA Developer	High		3.5M
1.2	1st Avenue South-Phase 4	SW 128th to SW 116th Street	Reconstruct roadway to Principal Arterial standards, including pedestrian, stormwater detention and water quality facilities, center medians and left-turn lanes, signal improvements and interconnections, landscaping and irrigation, and driveway consolidation where feasible. Overhead to underground utility conversion. MDR.	TIB PSRC	High	4,000	10 M
5 (Program A)	S 136th Street	1st Avenue South to DMMD	Bicycle lanes on both sides. Repair inadequate and non-ADA portion of existing sidewalk and fill in gaps in sidewalk. Evaluate appropriate street tree options.	Legislature PSRC	High	4,800	1.3M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
11	SW 152nd St	10th Avenue SW to 22nd Avenue SW	From 10th Avenue SW to 20th Avenue SW: curb and gutter; 6- foot sidewalk (evaluate parking at time of design or open house). Bicycle movement through this area shall be accommodated by shared bicycle/vehicle usage, and signage.	Unfunded	High	4,000	12 M
13.1 (Programs A,G)	8th Avenue South	S 136th Street to Des Moines Memorial Dr	Reconstruct road to include curb, gutter, sidewalks, bicycle lanes, parking, drainage, landscaping, and illumination. Note: Consider phases along this corridor based on funding sources.	Unfunded	High	5,300	16 M
8	SW 144th Street and SW 146th Street	Ambaum Blvd SW to 21st Avenue SW	Reconstruct road to include storm drainage, bike lanes, curb, gutter and sidewalks.	Unfunded	Medium	4,200	12.6 M
9	21st Avenue SW	SW 146th to SW 164th Street	Reconstruct road including storm drainage, transit access, curb, gutter and sidewalks.	Unfunded	Medium	6,780	2.34 M
12	S 146th Street / S 144th Way	8th Avenue S to Des Moines Memorial Drive	Reconstruct road including storm drainage, curb, gutter and sidewalks.	City FAA Developer	Medium	2,530	7.6 M
15 (Program A)	South and SW 146th St	Ambaum Blvd SW to 8th Avenue S	Repair existing sidewalks and ensure implementation of ADA standards for ramps.	Unfunded	Medium	6,200	2M
18	16th Avenue SW	SW 160th to SW 168th Street	Reconstruct road including storm drainage, curb, gutter and sidewalks. Major drainage replacement.	Unfunded	Medium	2,728	8.2 M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
23	South Normandy Road	1st Avenue South to Des Moines Memorial Drive	Reconstruct road including storm drainage, curbs, gutters, bike lanes and sidewalks. Note: Consistent with DMMD corridor plan.	Unfunded	Medium	1,900	4.5M
25 (Program A)	SW 150th St	1st Avenue South to Ambaum Blvd SW	Fill in gaps in intermittent sidewalk and ensure implementation of ADA standards for ramps.	Unfunded	Medium	3,000	.9M
29 (Program A)	SW 160th Street	2nd Avenue to SW 21st Avenue	Fill in gaps in intermittent sidewalk and ensure implementation of ADA standards for ramps.	Unfunded	Medium	6,500	1.8M
33	8th Avenue S/S 146th St	Intersection	New Signal for NERA. Overhead to underground utility conversion. Signal improvement shall be evaluated as NERA develops to see if Manual of Uniform Traffic control Devices (MUTCD) signal warrants are met.	City FAA Developer	Medium		0.30M
34	S 160th St / 509 Northbound Ramp	Interchange	Coordinate with Washington State Department of Transportation (WSDOT) for this interchange improvements (work with WSDOT to signalize)	Unfunded	Medium		0.4M
26	Military Road S	S 128th St to Des Moines Memorial Drive	Reconstruct roadway to Principal Arterial standards, including pedestrian, stormwater detention and water quality facilities, center medians and left-turn lanes, signal improvements and interconnections, landscaping and irrigation, and driveway consolidation where feasible.	Unfunded	Low	5,700	17M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
2	Des Moines Memorial Drive (DMMD)	South 165th Street to Normandy Road	Reconstruct and widen roadway to 36-44 feet to include storm drainage, landscaping, bicycle lanes, street lighting, channelization, signal modification, and paving. Install curb, gutter, and sidewalks. Construct center two-way left turn lane and consolidate driveways in commercial area. Note: Consistent with Des Moines Memorial Drive corridor plan and Lake to Sound Trail.	Unfunded	Low	3,676	12 M
3	26th Avenue SW	SW 116th Street to Shorewood Drive SW	Reconstruct road to include curb and gutter, sidewalks, drainage, and landscaping. Major Drainage Replacement MDR.	Unfunded	Low	2,500	7.9 M
4	Shorewood Drive SW	26th Avenue SW to Ambaum Blvd SW, including SW 130th Street	Road reconstruction, including storm drain improvements, pedestrian access, or other infrastructure that can be built within the existing pavement footprint located in the right-of-way of the City of Burien. Bicycle movement through this area shall consider uphill bike lane only or accommodated by shared bicycle/vehicle usage, and signage.	Unfunded	Low	8,580	25.74 M
7 (Program A)	8th Avenue SW	Ambaum Blvd SW to Sylvester Rd SW	Reconstruct road to include storm drainage, bike lanes, parking, curb, gutter and sidewalks.	Unfunded	Low	4,800	14.4 M
10	Marine View DR	SW 164th Street to 28th Avenue SW	Reconstruct road including storm drainage, bicycle lane, curb, gutter and sidewalks.	Unfunded	Low	3,000	9 M
13.05 (Programs A,G)	8th Avenue South	S 128th Street to S 136th St	Reconstruct road to include curb, gutter, sidewalks, bicycle lanes, parking, drainage, landscaping, and illumination. Note: Consider phases along this corridor based on funding sources.	Unfunded	Low	2,700	7M



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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
13.2 (Programs A,G)	8th Avenue South	S 112th Street to S 128th St	Pedestrian access project. Sidewalk, curb and gutter, bike lanes, drainage, landscaping and illumination. Note: Consider phases along this corridor based on funding sources.	Unfunded	Low	5,300	16M
16 (Program A)	South 160th Street	1st Avenue South to Des Moines Memorial Drive	Fill in gaps in intermittent sidewalk and ensure implementation of ADA standards for ramps.	Unfunded	Low	2,604	1.32M
19 (Program A)	SW 116th St	26th Avenue SW to 12th Avenue SW	Fill in gaps in intermittent sidewalk and ensure implementation of ADA standards for ramps.	Unfunded	Low	3,790	.8M
20.1 (Program A)	4th Avenue SW	SW 156th Street to SW 160th St	Reconstruct road including sidewalk on west side, storm drainage, curb, gutter, and sidewalks.	Unfunded	Low	1,370	4 M
21 (Program A)	SW 159th Street and 19th Avenue SW	SW 21st Avenue to SW 160th St	Reconstruct road including storm drainage, street lighting, parking, curb, gutter, bike lanes and sidewalks.	Unfunded	Low	700	2.1 M
22 (Program A)	28th Avenue SW and SW 170th St	Marine View Drive to SW 22nd Avenue SW	Reconstruct road including storm drainage, pedestrian access, curb, gutter, bike lanes and sidewalks.	Unfunded	Low	3,150	9.45 M
24	S 174th Street / Des Moines Memorial Dr	1st Avenue S to 8th Avenue S	Reconstruct road including storm drainage, street lighting, curb, gutter, bike lanes and sidewalks. Overhead to underground utility conversion.	Unfunded	Low	2,250	6.75M

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Project No.	Name of Project	Project Limit	Project Description	Potential Funding Sources	Priority	Total Length of Street in feet	Cost
27	SW 172nd St / Sylvester Rd SW	SW 171st Street to 16th Avenue SW	Road reconstruction, including storm drain improvements, pedestrian access, or other infrastructure that can be built within the existing pavement footprint located in the right-of-way of the City of Burien. Bicycle movement through this area shall be accommodated by shared bicycle/vehicle usage, and signage.	Unfunded	Low	7,500	22.5 M
28	Maplewild Avenue SW	22nd Avenue SW to SW 171st Street	Road reconstruction, including storm drain improvements, pedestrian access, or other infrastructure that can be built within the existing pavement footprint located in the right-of-way of the City of Burien. Bicycle movement through this area shall be accommodated by shared bicycle/vehicle usage, and signage.	Unfunded	Low	9,700	29 M
30	Sylvester Road SW	6th Avenue SW to 8th Pl SW	Reconstruct road to include curb and gutter, sidewalks, drainage, landscaping and illumination. Overhead to underground utility conversion.	Unfunded	Low	1,900	5.7 M
NEW 41 (Program A)	S 146th St at 5th Pl S Intersection Improvements	Intersection	Evaluate stop control and/or pedestrian crossing enhancements in conjunction with final buildout of Matheson Park.	City	Low		0.15M

**City of Burien  
Capital Programs  
2015-2020**

<b>Program No.</b>	<b>Name of Program</b>	<b>Program Description</b>	<b>Funding Sources</b>
A	Pedestrian and Bicycle Facilities	A primarily grant-funded program to construct bicycle/pedestrian/shared use facilities throughout the City. Includes pedestrian actuated flashers and beacons.	Transportation CIP CDBG SRTS
B	Annual Overlay	Maintain and preserve the integrity of the City's existing roadway surface through a combination of repair to major pavement failures, crack sealing of existing pavements to extend their usable life and overlay pavements that are structurally declining. Projects are prioritized through the City Pavement Management System.	Transportation CIP
C	ADA Barrier Mitigation	Upgrades curb ramps, pedestrian push buttons and pedestrian access routes required by the Americans with Disabilities Act. Priorities established by the City's ADA Transition Plan.	Transportation CIP CDBG WSDOT
D	Guardrail and Safety Improvements	Upgrades existing guardrail or installs new where warranted. Includes supplemental signing and/or pavement markings.	Street Fund Street maintenance
E	Channelization Improvements	Maintenance of existing striping and pavement markings, or revisions and additions at selected locations not covered by Program A.	Street Fund Street maintenance
F	Traffic Signal Management	Maintain and operate traffic signals. Update outdated signal controllers and interconnect selected corridors with fiber optic cable. Evaluate signal controller cabinets for sight distance impacts.	Transportation CIP Street Fund Signal Maint & Operations
G	Street Lighting and Illumination Program	Operation, maintenance replacement and repair of street light systems. Includes capital upgrades and conversion to LED luminaires.	Street Fund Seattle City Light Puget Sound Energy
H	Residential Traffic Calming	A primarily grant-funded program to install recommended traffic calming facilities at identified locations around the City: pavement markings, speed bumps and tables, speed radar signs, traffic circles, chicanes, etc.	WSDOT      TIB PBP        SRTS CDBG



# Transportation Improvement Program

## City of Burien

